DOCUMENT RESUME

ED 072 086 TM 002 326

AUTHOR	Carstens, Arthur; And Others
TITLE	Educational Assessment and District Enrollment in Michigan. The Seventh Report of the 1970-71 Michigan Educational Assessment Program.
INSTITUTION	Michigan State Dept. of Education, Lansing. Research, Evaluation, and Assessment Services.
SPONS AGENCY	Michigan State Board of Education, Lansing.
PUB DATE	Jun 72
NOTE	46p.
EDRS PRICE	MF-$0.65 HC-$3.29
DESCRIPTORS	Achievement Rating; Attitude Tests; Basic Skills; *Comparative Analysis; Dropout Rate; Educational Administration; *Educational Status Comparison; *Evaluation Criteria; Grade 4; Grade 7; Minority Groups; Performance; Performance Factors; Socioeconomic Status; *State Surveys; *Statistical Data; Student Enrollment; Student Teacher Ratio; Tables (Data); Teacher Background; Teacher Salaries
IDENTIFIERS	*Michigan

ABSTRACT

The seventh report of the Michigan Educational Assessment Program provides data comparing scores on the program variables of groups of State school districts classified on the basis of enrollment size. The 628 districts were divided into 14 groups, which were compared on: (1) human resources--such as pupil/teacher ratio and percent of teachers with master's degree; (2) school financial resources--such as local revenue per pupil and State school aid per pupil; (3) student background; (4) school/student performance--Attitude measures, basic skills measures, and dropout rate; and (5) school or district size. Qualifying information regarding the use of the data is given, and statistical terms are defined. It was found that on certain assessment measures in the categories of school resources, student background, and dropout rate, groups of school districts classified according to enrollment size do perform differently. But differences were found to be slight on most measures. No discernible pattern occurred in the basic skills measures. An appendix lists the school districts in the size groupings used for the study. (For related documents, see EM 002 327-330.) (KM)

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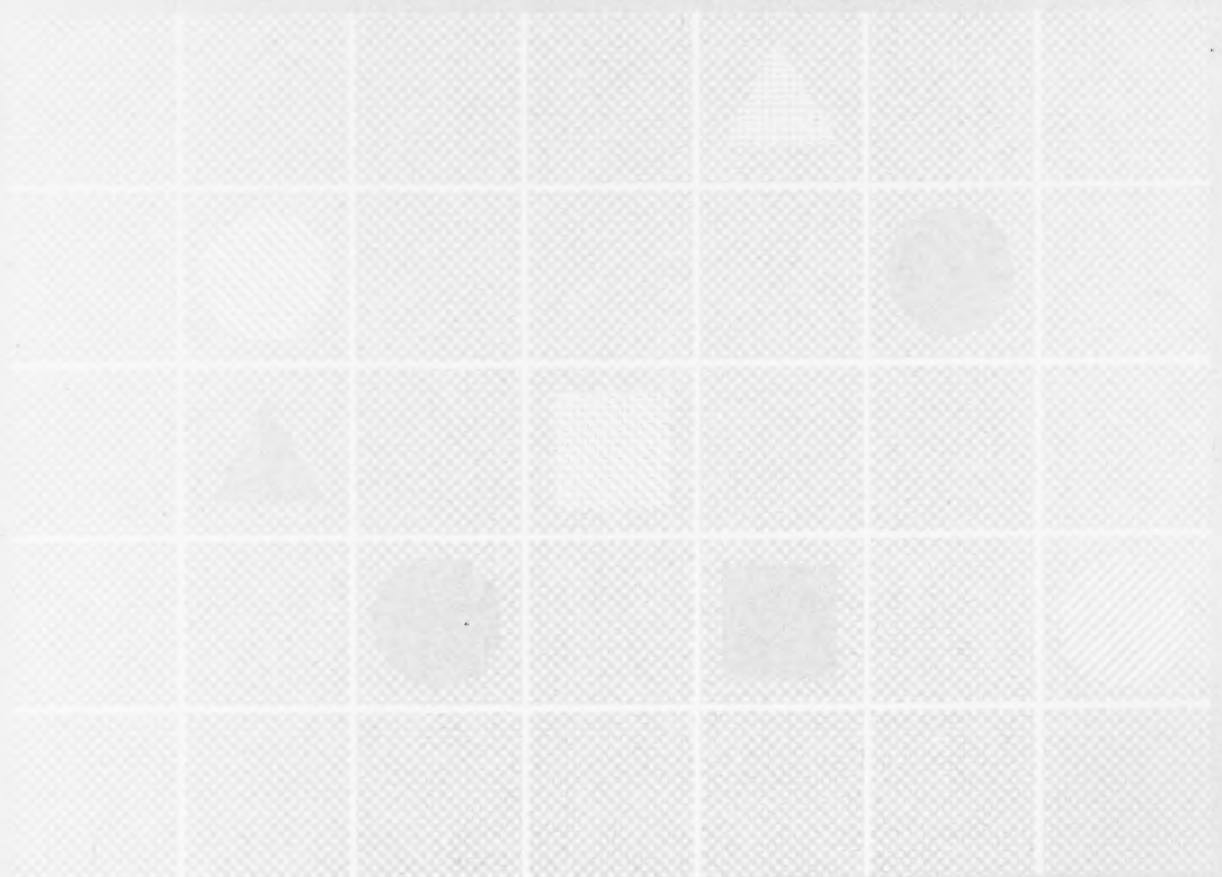
EDUCATIONAL ASSESSMENT AND DISTRICT ENROLLMENT IN MICHIGAN

THE SEVENTH REPORT OF THE 1970-71
MICHIGAN EDUCATIONAL ASSESSMENT PROGRAM



MICHIGAN DEPARTMENT OF EDUCATION JUNE 1972

State Board of Education

ED 072086

EDUCATIONAL ASSESSMENT AND DISTRICT ENROLLMENT IN MICHIGAN

The seventh report of the 1970-71
Michigan Educational Assessment Program

Prepared by Research, Evaluation and Assessment Services

Michigan Department of Education

June, 1972

FOREWORD

The Michigan Educational Assessment Program was initiated by the State Board of Education, supported by the Governor, and funded by the Legislature, initially through enactment of Act 307 of the Public Acts of 1969 and subsequently under Act 38 of the Public Acts of 1970. This report, the seventh of the 1970-71 series, provides data which compare educational performance, and certain other factors believed related to performance, of groups of Michigan school districts classified on the basis of their state aid membership.

The Michigan Educational Assessment Program was designed and administered by the Research, Evaluation and Assessment Services Unit, Michigan Department of Education, with the assistance of Educational Testing Service of Princeton, New Jersey, and the counsel of several ad hoc committees. Thanks are due to Michigan educators for assisting with it.

This report was prepared by Mr. Arthur Carstens, Dr. David Donovan, Mr. Robert Huyser, Dr. Philip Kearney, Mrs. June Olsen, and Dr. Daniel Schooley. Questions or requests for additional information relative to this report should be directed to the staff of the educational assessment program, telephone (517) 373-1830.

John W. Porter
Superintendent of
Public Instruction

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INTRODUCTION

This report, the seventh in the 1970-71 educational assessment series, contains education tables for groups of Michigan school districts divided on the basis of district size. It is designed to provide information answering, at least in part, the question: "Do school districts with different enrollment size score differently, as a group, on the Michigan Educational Assessment Program variables?"

Size, as a basis for classifying districts, takes the place of the geographic regions used in the 1969-70 educational assessment reports. School district enrollment rather than geographic location, it is hypothesized, may influence pupil performance and school district operating efficiency.

The basic frame of reference for this study is the State of Michigan as a whole. At the time the 1970-71 educational assessment tests were given, there were 628 school districts in Michigan, of which 530 districts were organized to operate K-12 programs. Data in this report are from the 1970-71 educational assessment program.

For the purpose of this study, the districts were classified into fourteen groups solely on the basis of state aid membership. The categories were the same as those used by the Michigan Department of Education in its 1969-70 Bulletin 1011, Analysis of Michigan Public School Revenues and Expenditures. This report listed 638 school districts for the fiscal year ended June 30, 1970, and classified them into fourteen groups (A through N). The number of districts in each group ranged from 1 to 145. Pupil membership in each group ranged from 19,994 to 293,822. (See Table I, Page 22 for size categories, and the Appendix for listing of districts by groups).

All districts except those testing fewer than five pupils and those lacking complete assessment battery results were included in this report. The results are based on data from 611 districts at the fourth grade level and 585 districts at the seventh grade level.

The reader is referred to Section II of the fifth report in the 1970-71 series, Levels of Educational Performance and Related Factors, for cautions to be observed in interpreting the data in this report. It may suffice here to warn again that cause-and-effect relationships are neither implied nor ruled out by the data presented.

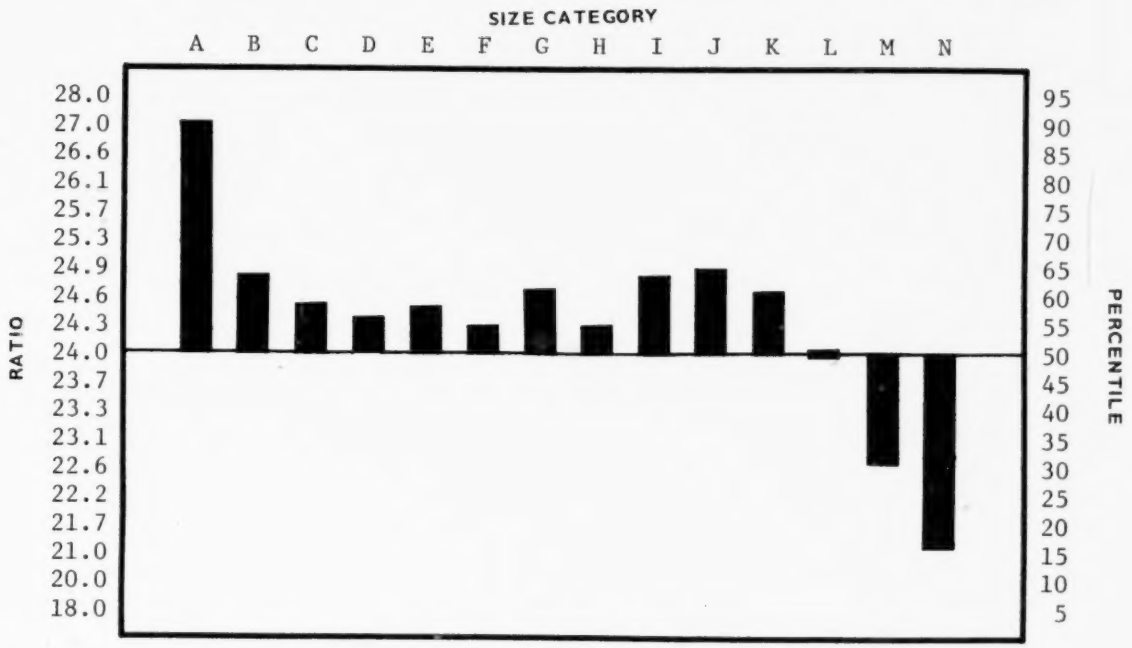
SECTION I

HIGHLIGHTS

Highlight graphs in this section use statewide district data for the fourth grade plotted on statewide district norms for the fourth grade. Graphs using statewide district data for the seventh grade plotted on statewide district norms for the seventh grade would be generally similar; the seventh grade graphs have not been included in this report. Column numbers in parentheses in the highlights and on the graphs correspond to column numbers on Table II at the end of this report.

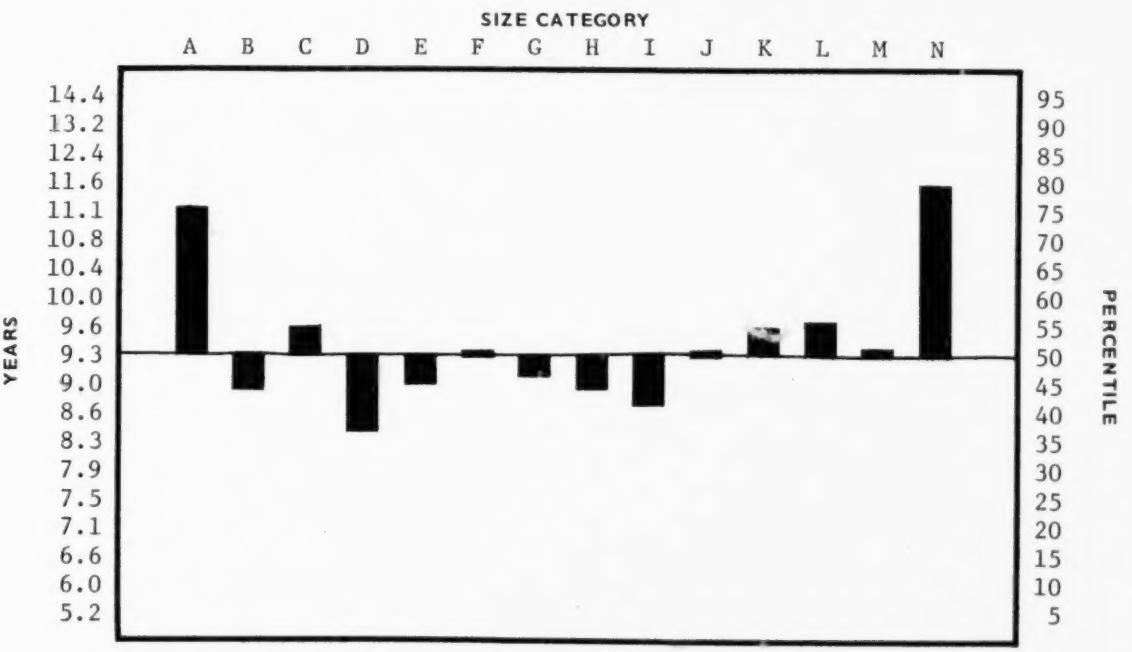
(2)

PUPIL/TEACHER RATIO



(4)

AVERAGE YEARS TEACHING EXPERIENCE



HIGHLIGHTS

(2) PUPIL/TEACHER RATIO

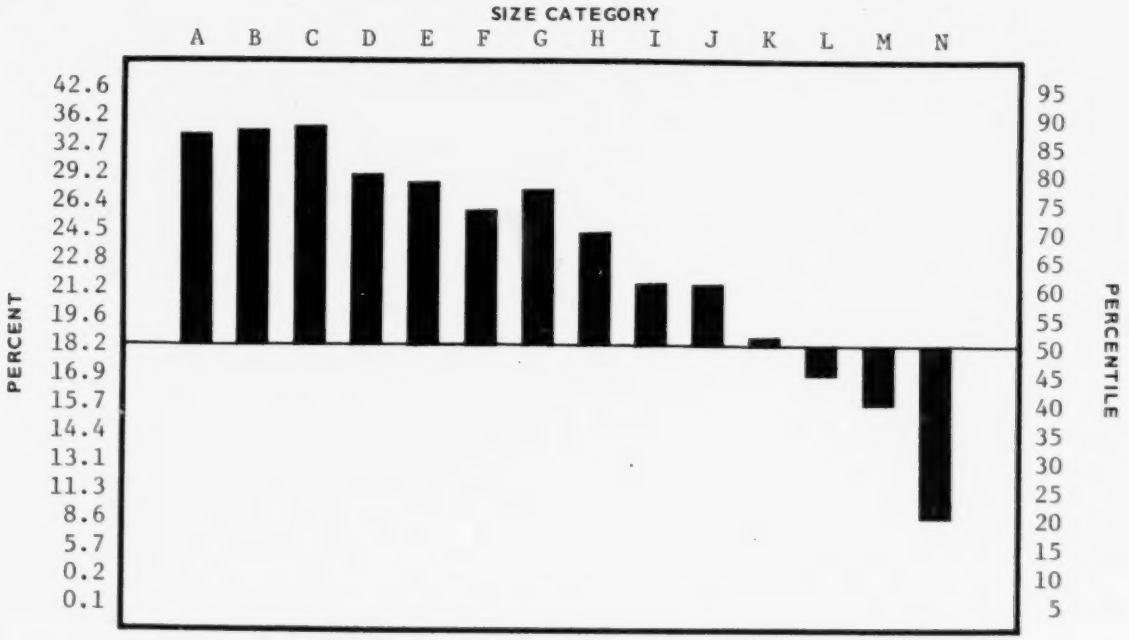
- Most groups of districts (B through K) rank about the same
- Group A, Detroit, has a high pupil/teacher ratio.
- Groups M and N, which contain the smallest districts, have low ratios.

(4) AVERAGE YEARS TEACHING EXPERIENCE

- The largest and smallest districts have the most experienced teachers.
- Aside from the largest and smallest groups of districts, there is no discernible pattern.

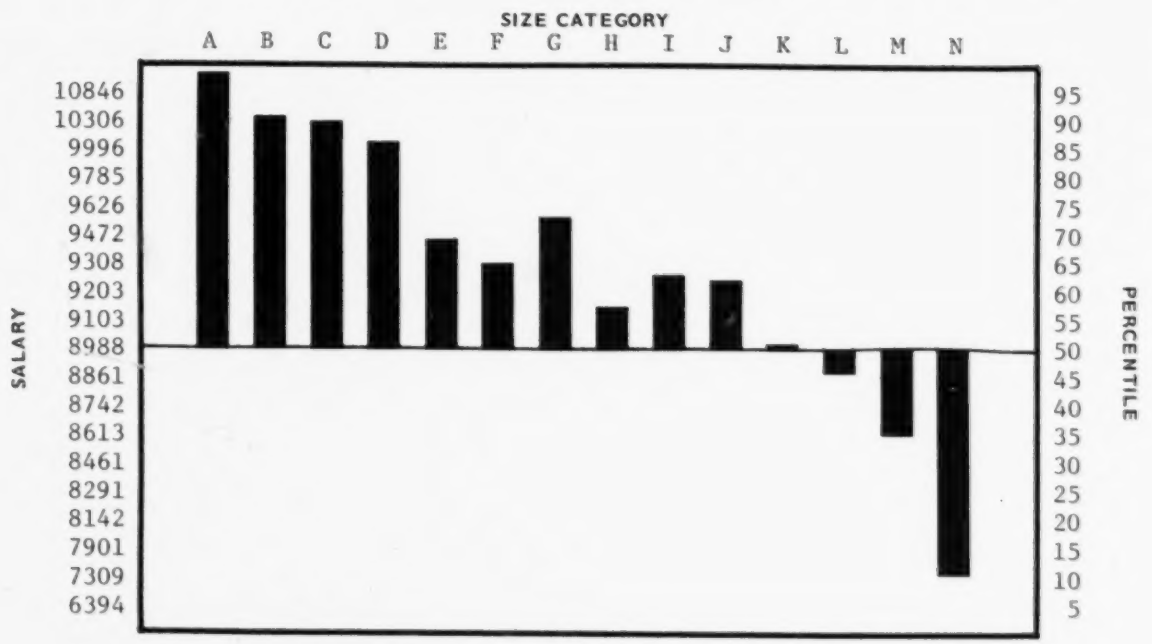
(5)

PERCENT TEACHERS WITH MASTERS DEGREE



(7)

AVERAGE SALARY OF TEACHERS



HIGHLIGHTS

(5) PERCENT TEACHERS WITH MASTERS DEGREE

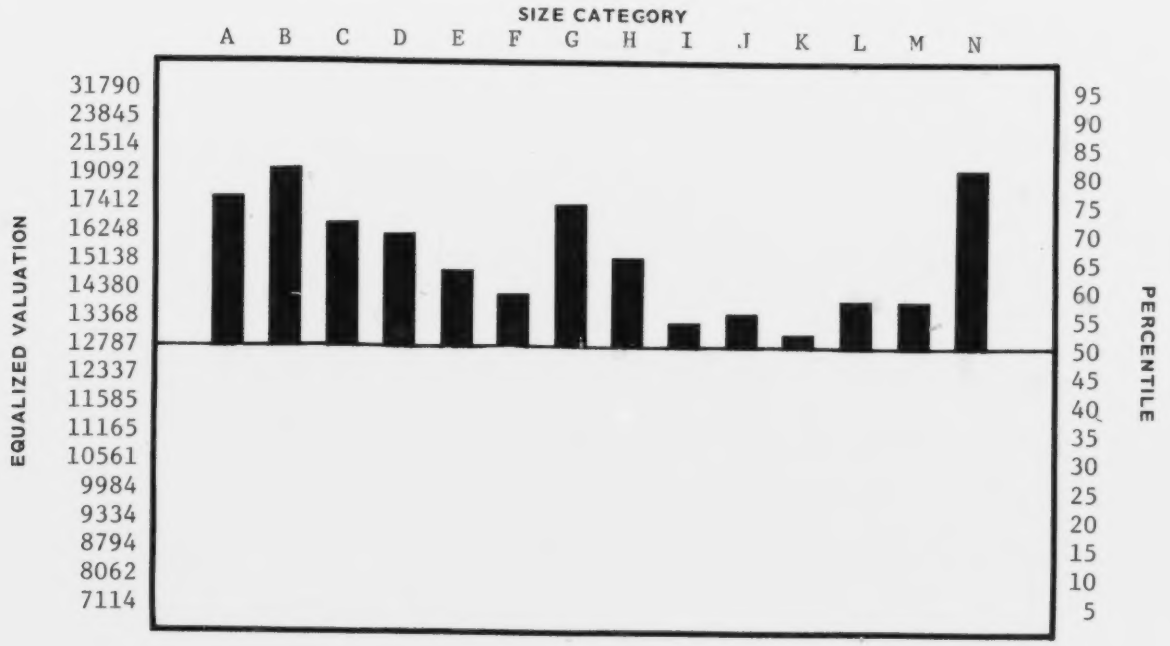
- Largest districts have the largest percentage of teachers with master's degrees.
- Smallest districts have the smallest percentage of teachers with master's degrees.
- The percentage of teachers with master's degrees is roughly parallel to the size of the district.
- More than one-third of the teachers in Groups A, B, and C have master's degrees.

(7) AVERAGE SALARY OF TEACHERS

- Largest districts, on the average, pay the highest salaries to teachers.
- Smallest districts, on the average, pay the lowest salaries to teachers.
- The decrease in teacher salaries is in almost direct proportion to size of district.

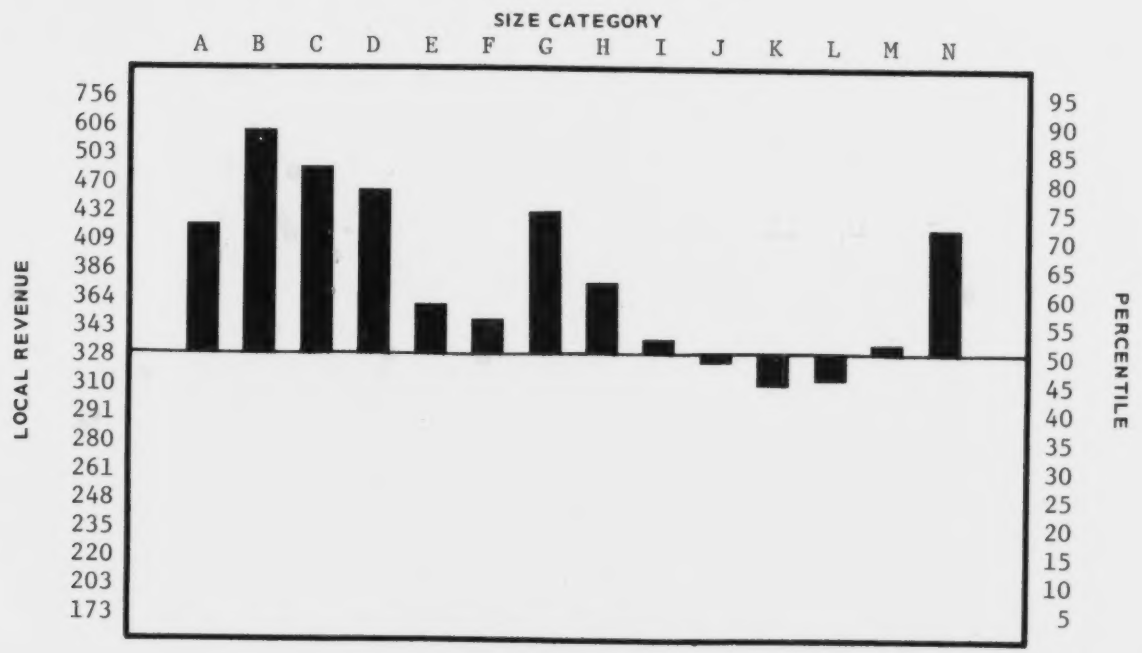
(8)

STATE EQUALIZED VALUATION PER RESIDENT PUPIL



(9)

LOCAL REVENUE PER PUPIL



HIGHLIGHTS

(8) STATE EQUALIZED VALUATION PER RESIDENT PUPIL

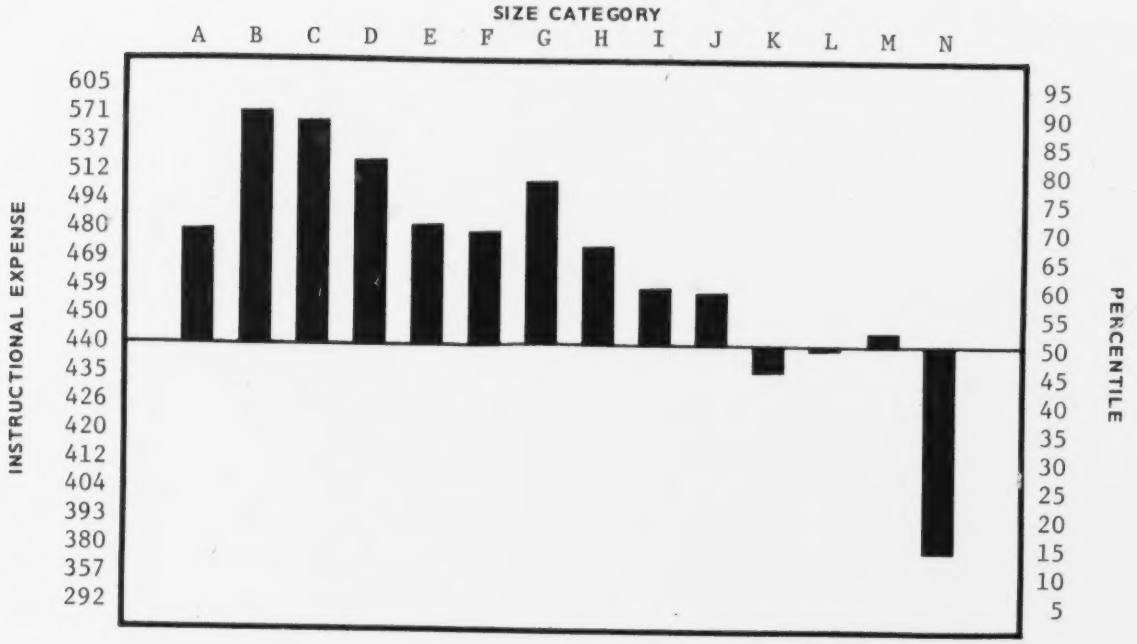
- There is no discernible pattern on this measure.
- The very large, middle sized and very small districts have the largest tax base.
- Factors other than the district pupil membership appear to determine a district's state equalized valuation.
- In every group the average SEV is above the state median, indicating that in every group (except Group A) the average is increased by the presence of a small number of very high SEV districts.

(9) LOCAL REVENUE PER PUPIL

- The larger districts in Groups A through D appear to raise the most school finances locally, but Groups G and N are almost equally high.
- There is no clear pattern on this measure.

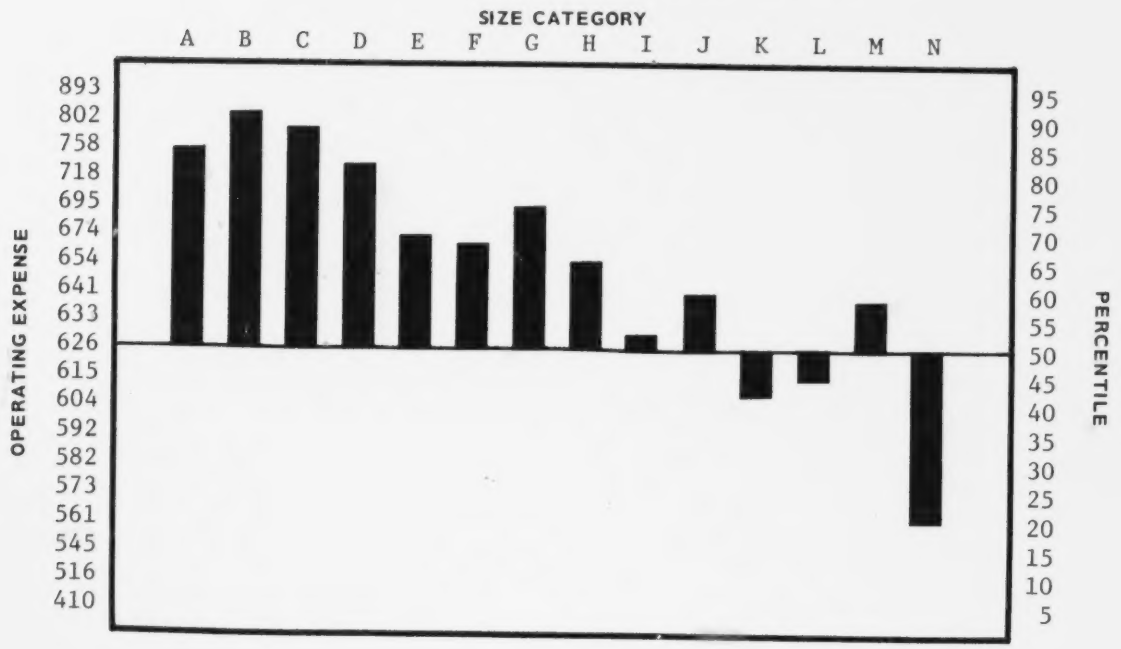
(11)

K-12 INSTRUCTIONAL EXPENSE PER PUPIL



(12)

TOTAL CURRENT OPERATING EXPENSE PER PUPIL



HIGHLIGHTS

(11) K-12 INSTRUCTIONAL EXPENSE PER PUPIL

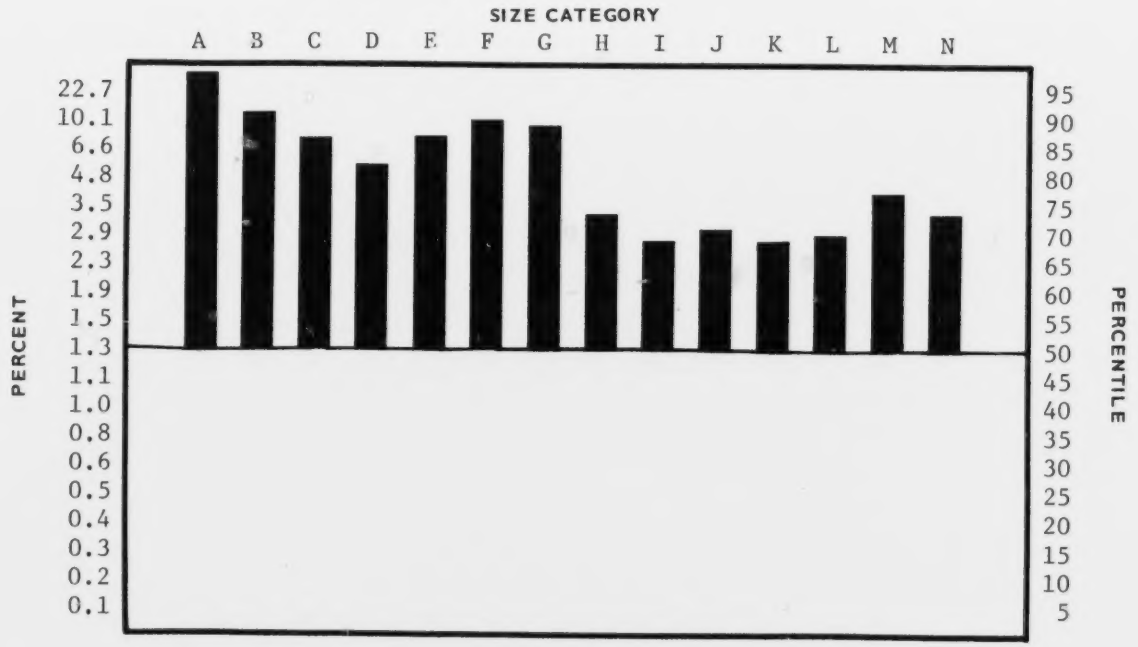
- The seven larger districts spend more for instruction than the seven smaller districts do.

(12) TOTAL CURRENT OPERATING EXPENSE PER PUPIL

- The larger districts spend more for total operating costs than the smaller districts do.

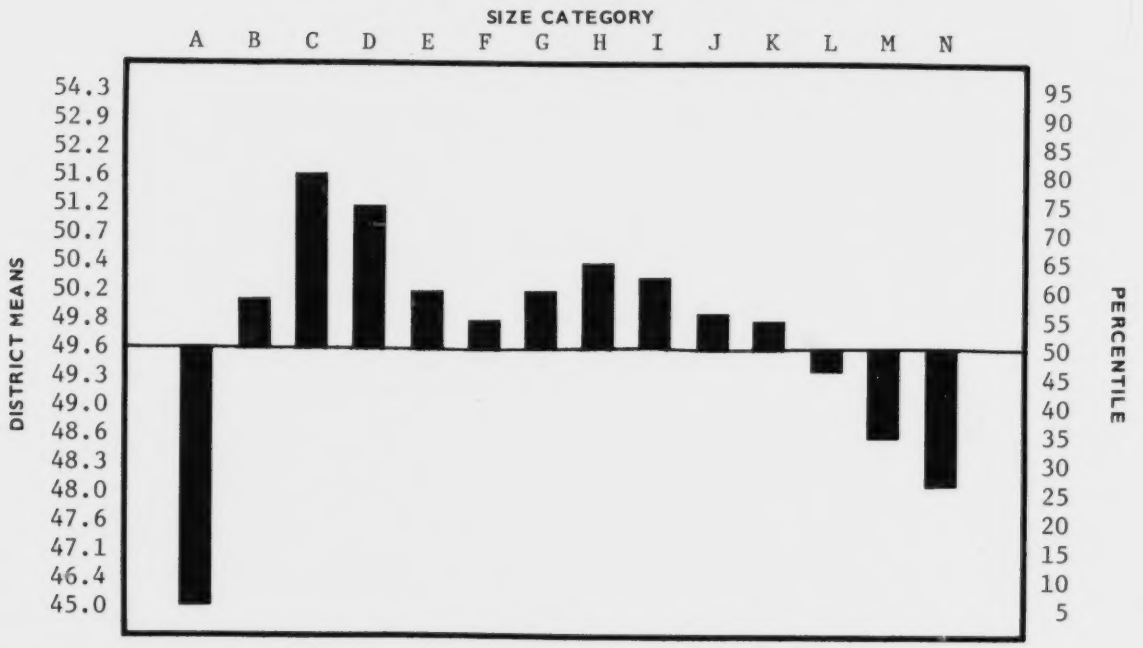
(13)

PERCENT OF RACIAL-ETHNIC MINORITY STUDENTS



(14)

STUDENTS' ESTIMATE OF SOCIOECONOMIC STATUS



HIGHLIGHTS

(13) PERCENT OF RACIAL-ETHNIC MINORITY STUDENTS

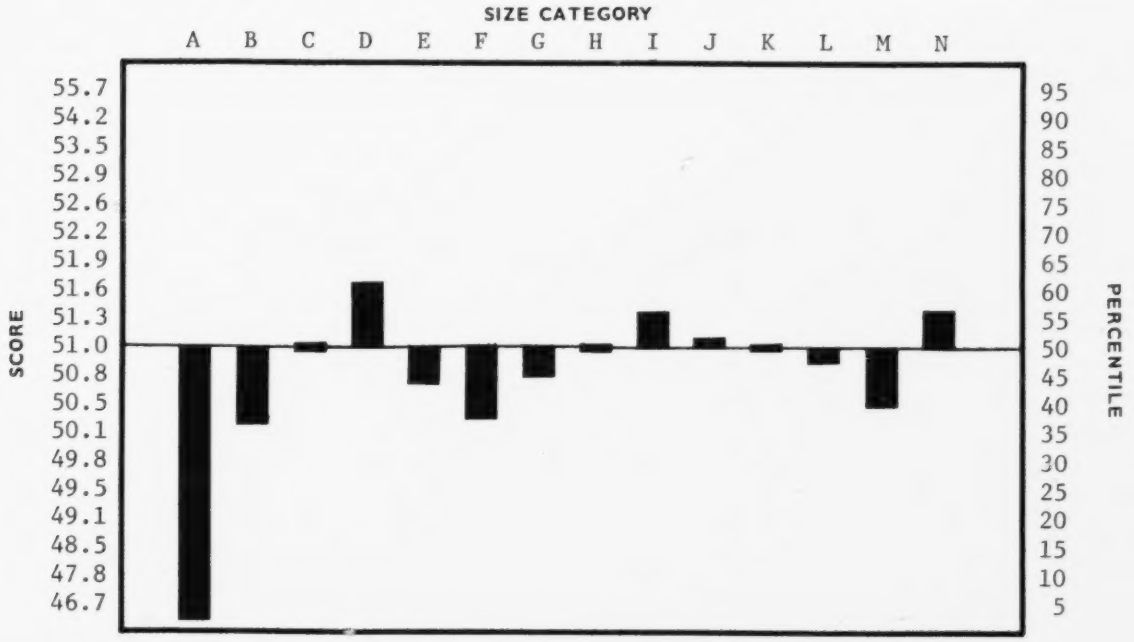
- The larger districts generally have a relatively high percentage of racial-ethnic minority pupils.
- The seven groups of smaller districts (H through N) have relatively low percentages of racial-ethnic minority students and rank about the same on this measure.
- In every group the mean is above the state median, indicating that a large majority of the districts are relatively low in racial-ethnic minority pupils.

(14) STUDENTS' ESTIMATE OF SOCIOECONOMIC STATUS

- Districts in the largest (A) and smallest (N) groups score lowest.
- Socioeconomic status is highest in Group C and declines from there to Group N.

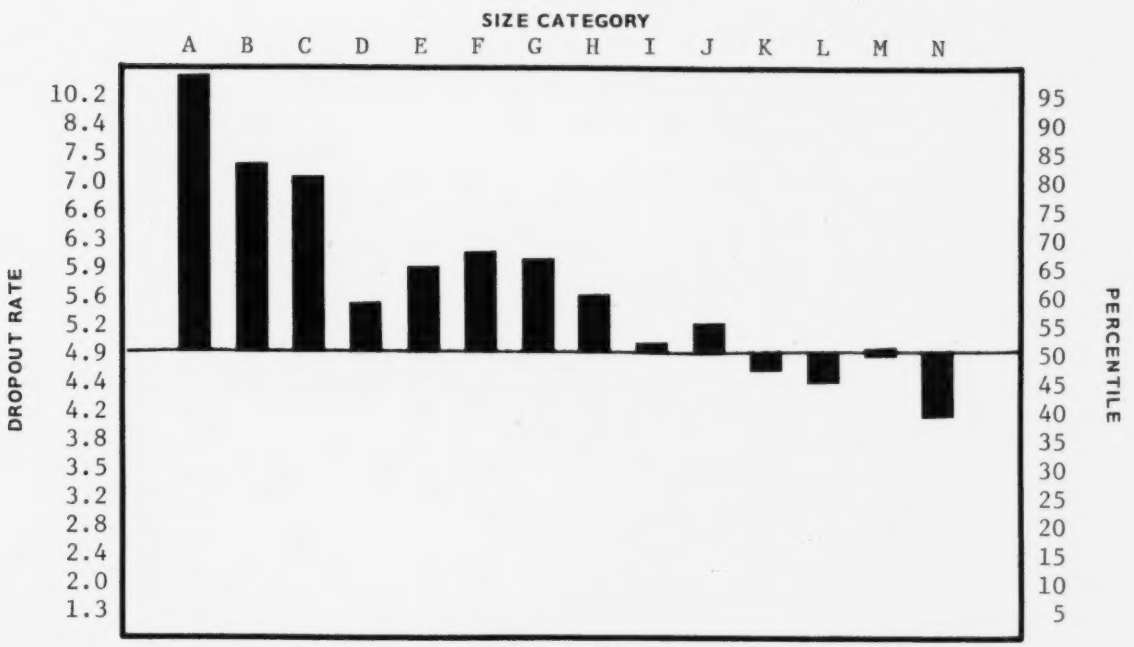
(22)

BASIC SKILLS COMPOSITE ACHIEVEMENT



(23)

SCHOOL DROPOUT RATE



HIGHLIGHTS

(22) BASIC SKILLS COMPOSITE ACHIEVEMENT

- District pupil membership appears not to be a determining factor.
- Three groups of districts score at the state median; four score above the median, and seven score below it.

(23) SCHOOL DROPOUT RATE

- Rank on this measure varies in direct relation to the size of the districts, with large districts ranking high and small districts low. Many educators consider a high dropout rate to be unfavorable.

SECTION II

QUALIFYING INFORMATION AND STATISTICAL TERMS

This section discusses qualifying information regarding the use of educational assessment data and defines certain statistical terms which must be understood by the reader in order to properly interpret the information in this report.

Qualifying Information

Relation to the goals of education. Michigan's educational goals are not limited to the basic skills; however, the 1970-71 educational assessment effort dealt only with the basic communication and computational skills and measured the achievement of children in vocabulary, reading, use of the mechanics of written English, and mathematics. The relationship of district size and pupil performance in other curricular areas may be quite different than the relationships shown here for basic skills. Definitions of the educational assessment measures may be found in Appendix B of the sixth report of this series, Distribution of Educational Performance and Related Factors in Michigan.

Measuring school/pupil performance. While it is relatively easy to obtain agreement on the fundamentals of the basic skills, it is more difficult to devise tests that will fairly and faithfully reflect the achievement levels in the basic skills areas of disparate groups of children. The reader, therefore, should be aware that responses to the assessment battery yield an approximate rather than an exact reflection of the basic skills for some groups of children.

Measuring student background. Socioeconomic status is a difficult concept to define. Additionally, once it has been defined, it is even more difficult to measure and index. Students' estimates of socioeconomic status were selected as the primary data source for this measure. Twenty-seven questions designed to assess the socioeconomic background of groups of pupils were used in the 1970-71 educational assessment. The measure was not designed to yield individual pupil scores. The socioeconomic status scores should be considered and interpreted as estimates of the social-economic background of groups of children.

Measuring school resources. The selection of school resource information for large-scale assessment efforts such as the 1970-71 Michigan Educational Assessment Program is limited by the availability of data, as well as by the present knowledge regarding anticipated relationships between those factors and educational performance. Despite several research studies, it is still impossible to state with certainty which school-related factors have an impact on educational performance. It is almost impossible to measure all aspects of educational programs. Therefore, there may be factors of an educational system crucial to learning which are not included in the present educational assessment effort. However, each measure included was selected because existing evidence suggests that it may be related to educational performance.

Statistical Terms

The definitions of the statistical terms identified below need to be understood by the reader in order for him to properly interpret the information presented in this report.

Mean

A mean is an average of a set of figures and is obtained by adding all

of the figures in the set and dividing the sum by the total number of figures.

Standard Deviation

In addition to establishing a mean for a distribution of scores, it is often useful to know the "spread" of the scores. Two groups of scores could have the same mean but the "spread" be quite different. For example, one district might have children whose scores on composite achievement cluster together around their mean of 50. In this district the "spread" of scores would be small. Another district might have a number of children with high scores and a number of children with low scores and still have a mean of 50. In this district, however, the "spread" of scores would be large.

One common way of indicating the "spread" of scores is to calculate a standard deviation. The standard deviation is a method of indicating how much "spread" there is in a distribution of scores. Usually about two-thirds of the scores will fall within a range extending from one standard deviation above the mean to one standard deviation below the mean. The larger the standard deviation, the larger will be the "spread" or variability in the scores of a distribution. In the example above, the district with the mixture of high and low scores would have a larger standard deviation than would the district with similar scores.

Standard Scores

Standard scores are scores that are derived from "raw" or response scores using the mean and standard deviation. Standard scores facilitate comparing scores on different tests by providing score scales with similar units. In the Michigan Educational Assessment Program, standard scores were developed so that the pupil mean score from any pupil assessment measure would be 50 and the standard deviation 10 when computed for all pupils tested at the same grade level. For example, a standard score of 40 on reading is one standard deviation

below the state mean; a standard score of 60 is one standard deviation above the mean; a standard score of 65 is one and one-half standard deviations above the mean, and so forth. The means for each district were computed from the standard scores of all pupils at the same grade level tested by the district. The means for each group of districts in this study were computed from the district means.

SECTION III

CONSTRUCTION OF TABLES

The first step in preparing the three tables for this report was to divide all of the Michigan school districts into 14 groups. This was done by using the same classification as used in Michigan Department of Education Bulletin 1011, Analysis of Michigan Public School Revenues and Expenditures, 1969-70.

The 14 categories are identified as (A) through (N) in Table I. The table shows: (1) pupil membership limits within each group; (2) number of districts in each group; (3) total pupil membership within each group as of the "Fourth Friday" of 1969; and (4) the number of districts in each group providing data for this report.

After the districts were divided into the 14 groups described in Table I, group means for each group were computed on each of the 24 assessment measures. This was done by totaling the average scores for each district in the group and dividing the sum by the number of districts in that group. The standard deviation on each measure was computed from the same set of figures.

Group means and standard deviatons were then placed on Tables II and III. Table II reflects the fourth grade data, and Table III the seventh grade. The same group means also were used to prepare the highlight graphs in Section I of this report.

Data used in Tables II and III are statewide in scope. It must be emphasized that the results are presented for groups of districts. No data are given here for individual students, individual schools, or individual districts, and the tables are to be interpreted accordingly.

TABLE I

GROUP MEMBERSHIP DATA

Pupil Membership Limits of Districts In Each Group	Number of Districts	Pupil Membership As of 10/1/69	Number of Districts Providing Data for This Report	
			4th Grade	7th Grade
(A) 50,000 and over	1	293,822	1	1
(B) 20,000 to 49,999	12	336,818	12	12
(C) 10,000 to 19,999	20	289,110	20	20
(D) 5,000 to 9,999	61	423,629	61	61
(E) 4,500 to 4,999	15	71,554	15	15
(F) 4,000 to 4,499	17	71,858	17	17
(G) 3,500 to 3,999	18	67,065	18	18
(H) 3,000 to 3,499	27	89,485	27	27
(I) 2,500 to 2,999	34	92,929	34	34
(J) 2,000 to 2,499	55	122,100	55	55
(K) 1,500 to 1,999	72	127,082	72	72
(L) 1,000 to 1,499	82	101,623	82	82
(M) 500 to 999	79	57,347	79	78
(N) Below 500	145	19,964	118	93
Total for all Districts	638	2,164,386	611	585

TABLE II. AVERAGE SCORES OF GROUPS OF

GRADE 4

SIZE CATEGORY	SCHOOL RESOURCES											
	HUMAN RESOURCES							SCHOOL FINANCIAL RESOURCES				
	(1) PUPIL/ PROF. INSTRUC-TIONAL STAFF RATIO	(2) PUPIL/ TEACHER RATIO	(3) PERCENT TEACHERS WITH 5 OR MORE YEARS EXPERI-ENCE	(4) AVERAGE YEARS TEACHING EXPERI-ENCE	(5) PERCENT TEACHERS WITH MASTERS DEGREE	(6) PERCENT TEACHERS EARNING $11,000 OR MORE	(7) AVERAGE SALARY OF TEACHERS (1969-70)	(8) STATE EQUALIZED VALUATION PER RESIDENT PUPIL (1969-70)	(9) LOCAL REVE-NUE PER PUPIL (69-70)	(10) STATE SCHOOL AID PER PUPIL (69-70)	(11) K-12 INSTRUC-TIONAL EXPENSE PER PUPIL (1969-70)	(12) TOTAL CURRENT OPER-ATING EXPENSE PER PUPIL (1969-70)
A	23.8	27.1	60.8	11.2	34.2	58.1	11174	17720	419	304	481	756
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	21.0	24.8	58.5	8.9	34.9	50.7	10449	19678	582	288	578	831
	1.9	1.8	9.4	2.4	11.1	10.7	1152	7973	197	68	90	114
C	21.2	24.5	61.7	9.6	35.6	52.6	10340	16723	495	307	567	786
	2.9	2.9	11.1	1.9	8.9	13.0	646	5673	166	65	72	111
D	21.7	24.4	54.9	8.4	29.6	44.6	10201	16238	459	309	525	734
	2.3	2.1	10.3	1.9	10.4	12.1	1437	5806	170	63	89	131
E	21.8	24.5	59.0	9.0	28.7	38.9	9429	14904	358	335	483	675
	1.4	1.4	9.0	2.2	9.3	11.4	598	7941	146	89	59	76
F	21.4	24.3	57.4	9.3	25.9	34.4	9315	14218	347	339	480	667
	2.6	2.0	10.0	2.4	9.4	15.2	1000	7540	151	72	90	120
G	22.0	24.7	60.3	9.1	27.8	46.3	9585	17401	435	306	506	695
	2.4	2.2	11.2	2.2	11.1	11.0	1106	13703	267	119	101	141
H	21.3	24.3	53.0	8.9	24.5	31.4	9147	15228	377	321	475	658
	2.0	1.7	10.4	2.5	8.6	14.7	761	7249	175	75	71	114
I	22.1	24.8	52.9	8.7	21.8	32.8	9261	13279	335	336	459	630
	2.1	2.2	10.8	2.2	6.5	9.4	540	4262	103	62	46	64
J	22.3	24.9	55.8	9.3	21.5	32.1	9250	13577	322	351	458	640
	1.8	2.0	12.1	2.3	9.6	15.2	684	6862	124	70	57	83
K	22.1	24.7	54.1	9.6	18.5	21.9	8999	13014	308	351	436	609
	1.9	2.0	11.4	2.3	10.0	14.6	655	4775	103	62	45	62
L	21.7	24.0	52.7	9.7	16.7	18.3	8891	13955	313	352	439	616
	2.2	2.3	12.8	2.3	8.0	14.3	614	7789	134	78	54	70
M	20.7	22.8	53.2	9.4	15.6	8.0	8623	13992	332	349	445	638
	2.2	2.3	16.4	3.1	9.6	12.5	782	6078	122	73	59	85
N	20.9	21.9	60.8	11.6	8.2	2.5	7366	19462	418	279	375	561
	5.8	5.9	32.8	6.5	14.5	6.5	1443	24545	309	114	119	214

DISTRICTS CLASSIFIED BY STUDENT MEMBERSHIP

GRADE 4

STUDENT BACKGROUND		SCHOOL/STUDENT PERFORMANCE									SCHOOL OR DISTRICT SIZE	
		ATTITUDE MEASURES (DISTRICT MEANS)			BASIC SKILLS MEASURES (DISTRICT MEANS)					DROPOUT RATE		
(13) PERCENT OF RACIAL-ETHNIC MINORITY STUDENTS	(14) STUDENTS' ESTIMATE OF SOCIO ECONOMIC STATUS (DISTRICT MEANS)	(15) IMPORTANCE OF SCHOOL ACHIEVEMENT	(16) SELF PERCEPTION	(17) ATTITUDE TOWARD SCHOOL	(18) VOCABULARY	(19) READING	(20) MECHANICS OF WRITTEN ENGLISH	(21) MATHEMATICS	(22) BASIC SKILLS COMPOSITE ACHIEVEMENT	(23) SCHOOL DROPOUT RATE (1968-69)	(25) DISTRICT STATE AID MEMBERSHIP	
65.0	45.6	52.1	50.2	49.9	44.5	44.0	44.6	43.4	44.1	14.9	293822	Mean
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	S.D.
15.3	50.1	50.5	50.3	50.0	50.0	49.9	50.2	50.2	50.2	7.3	28068	Mean
17.1	3.5	0.9	1.1	0.6	2.8	2.8	2.8	2.9	2.8	3.5	8686	S.D.
8.4	51.7	49.8	50.2	49.9	51.6	50.9	50.9	51.1	51.0	7.1	14456	Mean
13.9	4.5	0.7	1.2	0.9	3.5	3.1	3.3	3.3	3.2	3.5	2901	S.D.
5.7	51.2	50.1	50.2	50.1	51.6	51.7	51.5	51.7	51.7	5.5	6945	Mean
13.2	3.2	0.8	1.1	1.1	2.8	2.4	2.6	2.7	2.5	2.4	1435	S.D.
8.4	50.2	49.3	49.8	50.0	50.7	50.7	50.5	50.9	50.7	5.9	4770	Mean
22.2	3.0	1.4	1.2	1.1	2.6	2.6	2.3	2.8	2.5	2.3	138	S.D.
11.8	49.8	50.1	49.5	49.9	50.3	50.6	50.1	50.2	50.3	6.1	4227	Mean
21.4	2.8	1.4	1.1	1.3	3.2	3.2	3.0	3.0	3.0	2.9	138	S.D.
9.8	50.2	50.2	49.9	50.4	50.7	50.7	50.6	50.9	50.8	6.0	3726	Mean
16.0	3.6	1.3	1.1	1.4	2.2	2.5	2.4	2.7	2.4	2.8	161	S.D.
3.4	50.4	49.2	50.1	50.1	50.8	51.1	50.8	51.0	51.0	5.6	3314	Mean
5.6	3.2	1.0	1.2	1.3	2.2	2.1	2.1	2.0	2.0	2.8	147	S.D.
2.8	50.3	49.0	49.9	49.9	50.9	51.2	50.9	51.4	51.2	5.0	2733	Mean
3.1	1.8	1.4	1.3	1.5	1.4	1.7	1.6	1.5	1.5	2.7	151	S.D.
3.1	49.9	49.3	49.5	50.3	50.8	51.3	50.9	51.1	51.1	5.2	2220	Mean
4.2	2.1	1.5	1.4	1.4	2.3	2.1	2.4	2.3	2.2	2.4	141	S.D.
2.7	49.8	48.9	49.4	50.2	50.9	51.3	50.7	51.0	51.0	4.6	1765	Mean
4.7	1.8	1.6	1.4	1.7	1.9	1.9	1.9	2.4	1.9	2.2	154	S.D.
2.9	49.4	48.8	49.7	49.7	50.6	51.0	50.7	51.1	50.9	4.4	1239	Mean
4.6	2.3	1.8	1.8	2.2	2.4	2.2	2.4	2.5	2.2	2.5	138	S.D.
4.1	48.6	48.9	49.7	49.9	49.9	50.8	50.2	50.5	50.5	4.9	726	Mean
9.7	2.0	2.3	2.1	2.4	2.4	2.8	2.8	2.8	2.6	2.7	135	S.D.
3.3	48.1	49.0	48.7	50.2	50.5	51.3	50.9	51.8	51.4	4.1	161	Mean
9.0	3.1	4.0	3.4	4.0	4.4	4.1	4.6	4.4	4.1	4.3	144	S.D.

TABLE III. AVERAGE SCORES OF GROUPS OF

GRADE 7

SIZE CATEGORY	SCHOOL RESOURCES											
	HUMAN RESOURCES							SCHOOL FINANCIAL RESOURCES				
	(1) PUPIL/ PROF. INSTRUC-TIONAL STAFF RATIO	(2) PUPIL/ TEACHER RATIO	(3) PERCENT TEACHERS WITH 5 OR MORE YEARS EXPERI-ENCE	(4) AVERAGE YEARS TEACHING EXPERI-ENCE	(5) PERCENT TEACHERS WITH MASTERS DEGREE	(6) PERCENT TEACHERS EARNING $11,000 OR MORE	(7) AVERAGE SALARY OF TEACHERS (1969-70)	(8) STATE EQUALIZED VALUATION PER RESIDENT PUPIL (1969-70)	(9) LOCAL REVE-NUE PER PUPIL (69-70)	(10) STATE SCHOOL AID PER PUPIL (69-70)	(11) K-12 INSTRUC-TIONAL EXPENSE PER PUPIL (1969-70)	(12) TOTAL CURRENT OPER-ATING EXPENSE PER PUPIL (1969-70)
A	23.8	27.1	60.8	11.2	34.2	58.1	11174	17720	419	304	481	756
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	21.0	24.8	58.5	8.9	34.9	50.7	10449	19678	582	288	578	831
	1.9	1.8	9.4	2.4	11.1	10.7	1152	7973	197	68	90	114
C	21.2	24.5	61.7	9.6	35.6	52.6	10340	16723	495	307	567	786
	2.9	2.9	11.1	1.9	8.9	13.0	646	5673	166	65	72	111
D	21.7	24.4	54.9	8.4	29.6	44.6	10201	16238	459	309	525	734
	2.3	2.1	10.3	1.9	10.4	12.1	1437	5806	170	63	89	131
E	21.8	24.5	59.0	8.9	28.7	38.9	9429	14904	358	335	483	675
	1.4	1.4	9.0	2.2	9.3	11.4	598	7941	146	89	59	76
F	21.4	24.3	57.4	9.3	25.9	34.4	9315	14218	347	339	480	667
	2.6	2.0	10.0	2.4	9.4	15.2	1000	7540	151	72	90	120
G	22.0	24.7	60.3	9.1	27.8	46.3	9585	17401	435	306	506	695
	2.4	2.2	11.2	2.2	11.1	11.0	1106	13703	267	119	98	141
H	21.3	24.3	53.0	8.9	24.5	31.4	9147	15228	377	321	475	658
	2.0	1.7	10.4	2.5	8.6	14.7	761	7249	175	75	71	114
I	22.1	24.8	52.9	8.7	21.8	32.8	9261	13279	335	336	459	630
	2.1	2.2	10.8	2.2	6.5	9.4	540	4262	103	62	46	64
J	22.3	24.9	55.8	9.3	21.5	32.1	9250	13577	322	351	458	640
	1.8	2.0	12.1	2.3	9.6	15.2	684	6862	124	70	57	83
K	22.1	24.7	54.1	9.6	18.5	21.9	8999	13014	308	351	436	609
	1.9	2.0	11.4	2.3	10.0	14.6	655	6875	103	62	45	62
L	21.7	24.0	52.7	9.7	16.7	18.3	8891	13955	313	352	439	616
	2.2	2.3	12.8	2.3	8.0	14.3	614	7789	134	78	54	70
M	20.6	22.7	53.3	9.4	15.7	8.1	8634	14088	334	349	446	640
	2.2	2.3	16.5	3.1	9.6	12.6	781	6056	122	73	57	84
N	21.0	22.1	62.1	11.7	9.8	3.1	7593	18678	411	287	396	594
	5.6	5.8	27.4	5.9	15.2	7.1	1445	14875	356	114	168	269

DISTRICTS CLASSIFIED BY STUDENT MEMBERSHIP

GRADE 7

STUDENT BACKGROUND		SCHOOL/STUDENT PERFORMANCE									SCHOOL OR DISTRICT SIZE	
		ATTITUDE MEASURES (DISTRICT MEANS)			BASIC SKILLS MEASURES (DISTRICT MEANS)					DROPOUT RATE		
(13) PERCENT OF RACIAL-ETHNIC MINORITY STUDENTS	(14) STUDENTS' ESTIMATE OF SOCIO ECONOMIC STATUS (DISTRICT MEANS)	(15) IMPORTANCE OF SCHOOL ACHIEVEMENT	(16) SELF PERCEPTION	(17) ATTITUDE TOWARD SCHOOL	(18) VOCABULARY	(19) READING	(20) MECHANICS OF WRITTEN ENGLISH	(21) MATHEMATICS	(22) BASIC SKILLS COMPOSITE ACHIEVEMENT	(23) SCHOOL DROPOUT RATE (1968-69)	(25) DISTRICT STATE AID MEMBERSHIP	
65.0	44.7	51.3	49.0	49.5	43.5	44.4	44.0	42.6	43.9	14.9	293822	Mean
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	S.D.
15.3	49.7	50.6	50.6	50.0	50.3	50.3	49.8	50.2	50.1	7.3	28068	Mean
17.1	3.5	0.9	1.6	0.7	3.2	3.0	2.7	3.0	2.9	3.5	8686	S.D.
8.4	51.3	49.9	50.6	49.8	51.5	51.3	50.8	51.1	51.1	7.1	14456	Mean
13.9	4.7	1.1	1.3	0.9	3.5	3.2	3.1	3.0	3.0	3.5	2901	S.D.
5.7	50.8	49.9	50.4	49.8	51.7	51.4	51.1	51.4	51.3	5.5	6945	Mean
13.2	3.5	1.1	1.2	1.3	2.7	2.6	2.5	2.8	2.6	2.4	1435	S.D.
8.4	50.1	49.9	50.0	49.7	50.4	50.4	50.1	50.6	50.4	5.9	4770	Mean
22.2	3.4	1.6	1.7	1.2	3.5	2.9	2.8	3.2	2.9	2.3	138	S.D.
11.8	50.1	50.5	49.8	50.6	50.1	50.6	50.0	50.6	50.4	6.1	4227	Mean
21.4	3.7	1.3	1.3	1.8	3.7	3.3	3.2	4.1	3.5	2.9	138	S.D.
9.8	50.2	50.8	49.7	50.5	50.8	51.0	50.7	51.1	51.0	6.0	3726	Mean
15.9	3.7	1.7	1.8	1.3	3.2	2.9	3.2	3.0	2.9	2.8	161	S.D.
3.4	50.8	49.1	50.3	50.5	51.1	51.2	50.8	51.2	51.1	5.6	3314	Mean
5.6	3.4	1.3	1.2	1.5	2.4	2.1	2.2	2.3	2.1	2.8	147	S.D.
2.8	50.4	49.5	49.7	49.9	50.8	51.2	51.0	51.3	51.2	5.0	2733	Mean
3.1	1.8	1.5	1.3	1.6	1.4	1.6	1.8	2.0	1.7	2.7	151	S.D.
3.1	50.6	49.3	49.5	50.4	50.7	51.2	50.8	51.2	51.1	5.2	2220	Mean
4.2	2.3	1.5	1.5	1.6	2.2	2.0	2.4	2.6	2.2	2.4	141	S.D.
2.7	50.5	49.0	49.6	50.0	50.6	50.9	50.6	51.3	51.0	4.6	1765	Mean
4.7	1.8	1.4	1.4	2.0	1.9	1.7	1.9	2.1	1.8	2.2	154	S.D.
2.9	50.1	49.4	48.9	50.6	50.2	50.8	50.3	51.1	50.8	4.4	1239	Mean
4.6	2.1	1.8	1.6	2.3	2.3	2.0	2.4	2.3	2.1	2.5	138	S.D.
4.1	49.6	49.2	48.3	50.7	49.8	50.6	50.4	51.0	50.7	4.9	727	Mean
9.7	2.1	2.1	1.9	2.3	2.2	2.1	2.5	2.8	2.3	2.7	136	S.D.
2.5	48.6	48.5	49.4	51.0	50.2	51.1	51.3	52.0	51.5	4.1	194	Mean
6.1	3.0	3.8	3.0	3.3	3.5	3.4	3.9	4.2	3.6	4.3	145	S.D.

SECTION IV

SUMMARY AND CONCLUSIONS

Summary

The fourth grade table generally indicates that:

The comparison of groups of districts categorized on the basis of pupil membership disclosed discernible patterns, sometimes slight, in approximately half of the educational assessment measures. Perhaps more notable than the differences among the groups were the marked similarities on some measures. For example, in the 13 groups from B through N there was a variation of only 1.5 standard score units in composite achievement, a variation of 1.7 units in vocabulary scores, and 3.0 pupils per teacher on the measure of pupil/teacher ratio.

On the human resource measures, three of the seven showed decided trends. These were the measures of percent of teachers with master's degrees, percent of teachers earning $11,000 or more, and average salary of teachers. On each of these, the groups of larger districts scored higher, on the average, than the groups of smaller districts.

Group averages on the measures of school financial resources produced no strong patterns on state equalized valuation per resident pupil, local revenue per pupil, or state school aid per pupil. The groups of large districts showed generally higher expenditures than the groups of smaller districts on K-12 instructional expense per pupil and total current operating expense per pupil.

Student background measures showed the percentage of racial-ethnic minority students relatively high in the groups of large districts and decreasing as the size of districts decreased. Socioeconomic status scores

were low in Group A but otherwise were relatively high in the groups of larger districts and low in groups of smaller districts.

The basic skills measures produced no discernible patterns. As noted above, Groups B through N scored at very close to the same levels on both vocabulary and composite achievement measures. Group A scored low on both measures.

The school dropout rate measure indicated clearly that the dropout rate is highest in the large districts and decreases generally as district size decreases.

The seventh grade data were generally similar to the fourth grade data.

Conclusions

As stated in the Introduction, this report is designed to provide information directed toward the question: "Do school districts with different enrollment size score differently, as a group, on the Michigan Educational Assessment Program variables?"

Data in this report indicate that on certain assessment measures in the categories of school resources, student background, and school dropout rate, groups of school districts classified according to enrollment size do perform differently. On most measures, however, the differences are slight. On basic skills measures, the differences are small and occur in no discernible pattern.

This leads to the conclusion that size appears not to be a critical determinant of achievement in the basic skills of reading, mathematics and mechanics of written English. Apparently there are more important factors influencing pupil performance than district membership.

APPENDIX

GROUPING OF DISTRICTS BY PUPIL MEMBERSHIP

1969-70

GROUP A (50,000 and over)

Detroit City School District	293,822

GROUP B (20,000 to 49,999)

Ann Arbor City School District	20,108
Dearborn City School District	21,631
Flint City School District	46,928
Grand Rapids City School District	35,149
Lansing Public School District	33,084
Livonia Public Schools	38,133
Pontiac City School District	24,872
Saginaw City School District	23,190
Taylor School District	20,093
Utica Community Schools	20,165
Warren Consolidated Schools	30,554
Wayne Community Schools	22,911

GROUP C (10,000 to 19,999)

Battle Creek City Schools	11,239
Bay City School District	16,889
Benton Harbor City School District	11,982
Birmingham City School District	17,528
East Detroit City School District	12,976
Farmington Public School District	16,366
Garden City School District	14,031
Grosse Pte. Public Schools	13,319
Jackson Union School District	14,946
Kalamazoo City School District	18,954
Lincoln Park City Schools	12,228
Midland City School District	12,571
Muskegon City School District	10,603
Port Huron City School District	15,158
Portage Public Schools	10,850
Roseville City School District	14,739
Royal Oak City School District	19,561
Southfield Public School District	16,367
Walled Lake Cons. School District	10,298
Waterford Twp. School District	18,505

GROUP D (5,000 to 9,999)

Adrian City School District	6,263
Allen Park Public Schools	6,587
Alpena City School District	8,924
Bedford Public School District	6,188
Beecher School District	6,478
Berkley City School District	8,400
Bloomfield Hills School District	9,443
Carman School District	9,015
Center Line Public Schools	6,513
City of Troy School District	6,014
Clarkston Community School District	6,486
Clawson City School District	5,034
Clio Area School District	5,131
Crestwood School District	5,293
Davison Community Schools	5,401
Dearborn Heights School District 7	5,628
East Lansing School District	5,174
Ferndale City School District	8,566
Fitzgerald Public Schools	5,641
Flushing Community Schools	5,263
Fraser Public Schools	7,320
Grand Blanc Community Schools	7,980
Grand Haven City School District	6,106
Grand Ledge Public Schools	5,329
Hazel Park City School District	8,379
Highland Park City Schools	8,233
Holland City School District	5,475
Huron Valley Schools	6,979
Kearsley Community Schools	5,483
Kentwood Public Schools	5,504
L'Anse Creuse Public Schools	7,679
Lake Orion Community School District	5,421
Lake Shore Public Schools	9,587
Lakeview Cons. School District	5,545
Lakeview Public Schools	7,926
Lamphere Public Schools	5,841
Lapeer Public Schools	6,143
Melvindale N. Allen Park School District	5,626
Mona Shores School District	6,370
Monroe City Public Schools	9,294
Mt. Clemens Community School District	6,830
Niles Community School District	6,701
Oak Park City School District	5,853
Owosso Public School District	6,502
Plymouth Community School District	9,543
Redford Union School District	9,715
Rochester Community School District	8,385

Romulus Community Schools 5,456
Saginaw Twp. Community Schools 6,560
South Lake Schools 5,250
South Redford School District 7,907
Southgate Community School District 9,355
Traverse City Public School District 8,339
Trenton Public Schools 6,949
Van Buren Public Schools 7,093
Van Dyke Community Schools 7,239
Warren Woods Public Schools 8,956
Westwood Community Schools 5,121
Wyandotte City School District 8,472
Wyoming Public Schools 7,861
Ypsilanti City School District 7,880

GROUP E (4,500 to 4,999)

Bridgeport Community School District 4,786
Cherry Hill School District 4,869
Clintondale Public Schools 4,947
Coldwater Community Schools 4,573
East China Twp. School District 4,558
Escanaba Area Public Schools 4,785
Howell Public Schools 4,856
Inkster City School District 4,803
Madison Heights School District 4,716
Marquette City School District 4,990
Mt. Pleasant City School District 4,655
Sault Ste. Marie Area Schools 4,562
Swartz Creek Community School District 4,931
Waverly Schools 4,750
West Bloomfield Twp. School District 4,773

GROUP F (4,000 to 4,499)

Bangor Township Schools 4,154
Dowagiac Union Schools 4,202
Ecorse Public School District 4,377
Forest Hills Public Schools 4,129
Fruitport Community Schools 4,142
Grandville Public Schools 4,341
Hastings Public School District 4,011
Holt Public Schools 4,210
Ionia City School District 4,343
Muskegon Hgts. City School District 4,237
Northwest School District 4,046
Oscoda Area Schools 4,366
Reeths Puffer Schools 4,333
St. Johns Public Schools 4,040
St. Joseph City School District 4,359

West Ottawa Public School District 4,108
Willow Run Public Schools 4,460

GROUP G (3,500 to 3,999)

Albion City Schools 3,877
Avondale School District 3,903
Buena Vista School District 3,520
Cadillac Area Public Schools 3,985
Charlotte Public Schools 3,747
Clarenceville School District 3,922
East Grand Rapids Public Schools 3,833
Fenton Area Public Schools 3,510
Forsyth School District 3,630
Greenville Public Schools 3,623
Mt. Morris Cons. Schools 3,775
Orchard View Schools 3,582
River Rouge City Schools 3,859
Riverview Community School District 3,666
Rockford Public Schools 3,838
Romeo Community Schools 3,784
South Haven Public Schools 3,504
Tecumseh Public Schools 3,507

GROUP H (3,000 to 3,499)

Allegan Public Schools 3,181
Alma Public Schools 3,356
Brighton Area Schools 3,403
Cheboygan Area Schools 3,001
Chesaning Union Schools 3,446
Comstock Public Schools 3,464
Durand Area Schools 3,181
Eaton Rapids Public Schools 3,398
Godwin Heights Public Schools 3,496
Hamtramck City Schools 3,044
Harper Creek Community Schools 3,350
Holly Area School District 3,440
Jenison Public Schools 3,324
Kenowa Hills Public Schools 3,407
Lakeshore School District 3,472
Lakewood Public Schools 3,149
Ludington Area School District 3,430
Marshall Public Schools 3,285
Mason Public Schools 3,432
Menominee Area Public School 3,137
Northview Public School 3,426
Northville Public Schools 3,120
Okemos Public Schools 3,224
Pinconning Area Schools 3,287

South Lyon Community Schools 3,148
Sturgis City School District 3,392
Three Rivers Public School District 3,492

GROUP I (2,500 to 2,999)

Airport Community School District 2,959
Algonac Community School District 2,871
Anchor Bay School District 2,806
Belding Area School District 2,614
Bentley Community School District 2,572
Brandywine Public School District 2,741
Buchanan Public School District 2,516
Caro Community Schools 2,512
Chippewa Valley Schools 2,788
Coloma Community Schools 2,766
Corunna Public School District 2,705
Fremont Public School District 2,823
Gibraltar School District 2,935
Gull Lake Community Schools 2,963
Hillsdale Community Schools 2,735
Jefferson Consolidated School District 2,711
Kelloggsville Public Schools 2,568
Lakeville Community School District 2,908
Lowell Area Schools 2,651
Manistee City Schools 2,570
Milan Area Schools 2,742
North Dearborn Heights School District 2,741
Otsego Public Schools 2,857
Ovid Elsie Area Schools 2,501
Oxford Area Community School District 2,816
Parchment School District 2,606
Petoskey School District 2,746
Plainwell Community Schools 2,937
Rudyard Township School 2,675
Saline Area School District 2,504
Sparta Area Schools 2,952
Twin Valley Public School District 2,663
Vicksburg Community Schools 2,960
Zeeland Public School District 2,515

GROUP J (2,000 to 2,499)

Atherton Community School District 2,376
Bangor Public Schools 2,015
Bendle Public School District 2,332
Berrien Springs Public School District 2,109
Big Rapids Public Schools 2,411
Birch Run Area School District 2,414
Blissfield Community Schools 2,123

Breitung Township School District	2,446
Bullock Creek School District	2,393
Caledonia Community Schools	2,137
Carrollton School District	2,126
Cedar Springs Public Schools	2,151
Chelsea School District	2,496
Chippewa Hills School District	2,279
Columbia School District	2,017
Comstock Park School District	2,067
Coopersville Public School District	2,418
Croswell Lexington Community School District	2,339
Delton Kellogg School District	2,226
Dexter Community School District	2,124
Edwardsburg Public Schools	2,187
Essexville Hampton School District	2,134
Flat Rock Community Schools	2,203
Gaylord Community Schools	2,049
Grosse Ile Township Schools	2,351
Haslett Public Schools	2,042
Hudsonville Public School District	2,148
Huron School District	2,316
Imlay City Community Schools	2,199
Ironwood Area Schools	2,401
Ishpeming Public School District	2,349
Lincoln Consolidated School District	2,346
Linden Community School District	2,097
Marysville Public School District	2,125
Mason Consolidated School District	2,052
Michigan Center School District	2,059
Millington Community Schools	2,092
Montrose Township Schools	2,059
North Branch Area Schools	2,073
Oakridge School District	2,297
Paw Paw Public School District	2,135
Pennfield School District	2,400
Pinckney Community Schools	2,227
River Valley School District	2,283
Saint Louis Public Schools	2,187
Spring Lake Public School District	2,495
Standish Sterling Community School District	2,094
Stockbridge Community Schools	2,010
Vassar Public Schools	2,116
West Branch Rose City Area Schools	2,289
Wayland Union Schools	2,121
West Iron County School District	2,306
Western School District	2,267
Westwood Heights School District	2,451
White Hall District Schools	2,141

GROUP K (1,500 to 1,999)

Armada Area Schools	1,500
Bad Axe Public Schools	1,553
Benzie County Central Schools	1,581
Brandon Township School District	1,815
Breckenridge Community Schools	1,571
Bronson Community School District	1,841
Byron Center Public Schools	1,608
Calumet Public School District	1,918
Carson City Crystal Area School District	1,888
Cass City Public Schools	1,933
Cassopolis Public Schools	1,983
Central Montcalm Public Schools	1,969
Charlevoix Public School District	1,529
Clare Public Schools	1,892
Constantine Public School District	1,567
Crawford Ausable Schools	1,676
De Witt Public Schools	1,553
Dundee Community School District	1,997
East Jackson Public Schools	1,943
Elkton Pigeon Bayport School District	1,980
Fennville Public Schools	1,665
Fowlerville Community Schools	1,835
Freeland Community School District	1,601
Galesburg Augusta Community School District	1,579
Gladstone Public School District	1,565
Gladwin Community Schools	1,892
Grant Public School District	1,750
Hamilton Community Schools	1,890
Harper Woods City School District	1,981
Harrison Community Schools	1,520
Hartford Public School District	1,636
Hartland Consolidated School	1,803
Hemlock Public School District	1,666
Hudson Area Schools	1,601
Ida Public School District	1,940
Iron Mountain City School District	1,756
Ithaca Public Schools	1,970
Lake Fenton School	1,909
Lakeview Community Schools	1,900
Leslie Public Schools	1,602
Manistique Area Schools	1,971
Maple Valley School District	1,918
Marlette Community School District	1,863
Mason County Central School District	1,701
Meridian Public School District	1,922
Montabella Community School District	1,709
Montague Public Schools	1,902
Munising Public Schools	1,505

Napoleon School District 1,779
Negaunee School District 1,875
New Buffalo Area School District 1,522
New Haven Community Schools 1,755
Novi Community School District 1,712
Ontonagon Area Schools 1,513
Perry Public School District 1,836
Portland Public School District 1,910
Quincy Community School District 1,647
Reed City Public Schools 1,868
Richmond Community Schools 1,858
Sandusky Community School District 1,756
Shepherd Public School District 1,805
Springfield City School District 1,760
St. Charles Community School District 1,668
Swan Valley School District 1,886
Tahquamenon Area Schools 1,782
Tawas Area Schools 1,966
Thornapple Kellogg School District 1,940
Union City Community School District 1,642
Vandercook Lake Public School District 1,571
Watervliet School District 1,638
Williamston Community Schools 1,730
Yale Public School District 1,814

GROUP L (1,000 to 1,499)

Addison Community Schools 1,439
Akron Fairgrove Schools 1,159
Alcona Community Schools 1,236
Almont Community Schools 1,163
Athens Area Schools 1,058
Bath Community Schools 1,404
Beaverton Rural Schools 1,463
Bellevue Community Schools 1,407
Bloomingdale Public School District 1,466
Brown City Community School District 1,224
Byron Area Schools 1,082
Capac Community School District 1,452
Clinton Community Schools 1,148
Coleman Community School District 1,438
Colon Community School District 1,147
Concord Community Schools 1,245
Dansville Agriculture School 1,039
Decatur Public Schools 1,399
Deckerville Community School District 1,168
Eau Claire Public School District 1,173
Evart Public School 1,256
Fairlane School District 1,190
Farwell Area Schools 1,308

Forest Park School District	1,092
Frankenmuth School District	1,102
Fulton Schools	1,250
Gerrish Higgins School District	1,071
Gobles Public School District	1,028
Godfrey Lee Public School District	1,403
Goodrich Area School District	1,177
Grass Lake Community Schools	1,086
Hancock City School District	1,320
Hanover Horton Schools	1,197
Harbor Beach Community School	1,214
Hart Public School District	1,304
Hesperia Community School District	1,073
Holton Public Schools	1,041
Homer Community Schools	1,404
Hopkins Public School	1,241
Houghton Lake Community Schools	1,328
Jonesville Community Schools	1,275
Kalkaska Public Schools	1,270
Kent City Community Schools	1,462
L'Anse Twp. School District	1,150
Laingsburg Community School District	1,038
Madison School	1,098
Manchester Public School District	1,231
Marcellus Community Schools	1,119
Mattawan Consolidated School District	1,435
Mayville Community Schools	1,402
Memphis Community Schools	1,101
Merrill Community School District	1,276
Morenci Area Schools	1,167
Morley Stanwood Community Schools	1,249
New Lothrop Area Public School District	1,001
Newaygo Public School District	1,212
North Muskegon City School District	1,061
Norway Vulcan Area Schools	1,028
Olivet Community Schools	1,318
Onaway Area Community School District	1,294
Onsted Community Schools	1,409
Pine River Area Schools	1,040
Portage Township School District	1,203
Ravenna Public Schools	1,497
Reading Community Schools	1,152
Reese Public Schools	1,186
Rogers Union School District	1,443
Sand Creek Community Schools	1,113
Saranac Community School District	1,212
Sebewaing Unionville Schools	1,387
Shelby Public School District	1,382
Springport Public School	1,345
Stephenson Area Public Schools	1,408

Summerfield School District 1,197
Tri-County Area Schools 1,448
Ubly Community Schools 1,149
White Cloud Public Schools 1,238
White Pigeon Community School District 1,399
Whiteford Agricultural School District 1,198
Whitmore Lake Public School District 1,141
Whittemore Prescott Area School District 1,076
Woodhaven School District 1,418

GROUP M (500 to 999)

Adams Township School District 730
Allendale Public School District 559
Arenac Eastern School District 629
Ashley Community Schools 544
Au Gres Sims School District 536
Baldwin Public School District 947
Baraga Township School District 758
Bark River Harris School District 714
Beal City School District 515
Bellaire Public School 571
Bessemer City School District 648
Big Bay De Noc School District 598
Bridgman Public School 759
Brimley Public Schools 502
Britton Macon Area School 623
Burr Oak Community School District 535
Camden Frontier School 825
Carsonville Community School District 862
Central Lake Public School 523
Centreville Public School District 834
Chocolay Township School District 621
Climax Scotts Community Schools 866
Comins Township School District 503
Covert Public Schools 919
Deerfield Public Schools 558
Dryden Community Schools 679
Elk Rapids Schools 994
Ewen Trout Creek Consolidated School District ...862
Fowler Public Schools 662
Frankfort Area Schools 908
Galien Township School 889
Genesee School District 723
Glen Lake Community School District 728
Hale Area Schools 645
Harbor Springs School District 767
Hillman Community Schools 698
Inland Lakes School District 704
Kaleva Norman-Dickson Schools 749

Kingsley Area School District 635
Kingston Community Schools 830
Lake City Area School District 935
Lake Linden Hubbell School District 557
Lawrence Public School District 835
Lawton Community School District 926
Les Cheneaux Community School District 568
Litchfield Community Schools 822
Mancelona Public School 984
Manton Consolidated School District 749
Marion Public School 895
Martin Public Schools 972
Mason County Eastern School District 599
McBain Rural Agricultural School District 662
Mendon Community School District 849
Mesick Consolidated School District 700
Mio Au Sable School District 663
Morrice Area Schools 836
North Adams Public Schools 791
North Central Area Schools 869
North Dickinson Co. School District 528
North Huron Schools 707
Onekema Consolidated School 805
Owendale Gagetown Area School District 639
Peck Community School 677
Pellston Public School District 710
Pewamo-Westphalia Community School District . . .824
Pickford Public Schools 559
Pittsford Rural Agricultural Schools 845
Potterville Public Schools 803
Rapid River Public Schools 572
Republic Michigamme Schools 515
Saugatuck Public Schools 793
Schoolcraft Community Schools 799
St. Ignace City School District 860
Suttons Bay Public School District 599
Tekonsha Community School 651
Vestaburg Community Schools 896
Wakefield Township School District 793
Waldron Area Schools 609
Webberville Public Schools 799

GROUP N (Below 500)

Alba Public School 173
Allegan County School District 17 87
Allouez Township Schools 244
Arcade Township School District 1F 61
Arcade Township School District 6 34

Arvon Township Scool District 30
Atlanta Community Schools 492
Autrain Township School 52
Bangor Township School District 8 33
Bear Lake School 444
Beaver Island Community Schools 67
Benona Community School District 179
Bergland Community School District 305
Berlin Township School District 3F 20
Berlin Township School District 5F 20
Bessemer Township School District 328
Big Jackson School District 24
Bloomfield Township School District 4 17
Bloomfield Township School District 5 24
Bloomfield Township School District 7F 32
Bois Blanc Pines School District 3
Boyne Falls Public School District 294
Brampton Township School District 116
Brevort Township School District 95
Buckley Community School District 300
Burnside Township School District 10F 25
Burt Township School 101
Calumet Township School District 2 146
Campbell Township School District 4 33
Carney Nadeau Public Schools 365
Casco Township School District 4 50
Caseville Public School 269
Champion-Humboldt Spurr School District 309
Chassell Township School District 317
Chester Township School District 3F .....00 *
Chester Township School District 1 .....00 *
Church School 39
Clam Union Township School District 2 .....00 *
Colfax Township School District 1F 23
Colfax Township School District 2 25
Colfax Township School District 6 44
Colfax Township School District 7 11
Colfax Township School District 3F 34
Constantine Township School District 5F .....00 *
Covington School District 128
Cross Village School District 23
Delta County School District 7 200
Detour Township School 467
Easton Township School District 6F 42
Eckford Community Schools 69
Elbridge Community School District 235
Ellsworth Community School 320
Elm River Township School 43
Ely Township School District 152
Engadine Consolidated Schools 456

Excelsior Township School District 1 25
Falmouth Elementary School District 97
Ferry Community School District 157
Fife Lake Community School District 173
Flat Rock Public School District 445
Fredonia Township School District 2F 14
Freesoil Community School District 229
Fruitland Township School District 1F 219
Ganges Township School District 4 54
Garfield Township School District 3F 15
Golden Community School District 186
Goodland Township School District 1 18
Goodland Township School District 2 25
Goodland Township School District 3 . . . . . .00 *
Grand Township Schools 5
Green Lake Township School District 1F 22
Hagar Township School District 6 129
Hamilton Township School District 6 7
Ionia Township School District 2F 22
Ionia Township School District 5 15
Ionia Township School District 6 . . . . . .00 *
Ishpeming Township School District 397
Johannesburg-Central School 480
Leland Public School District 266
Limestone Township School 56
Lincoln Township School District 1 . . . . . .00 *
Littlefield Public School District 365
Mackinac Island Public School District 159
Mackinaw City Public Schools 280
Marenisco School District 168
Mar-Lee Consolidated School District 362
Marquette Township School District 273
Mathias Township School 199
Meade Township School District 3 . . . . . .00 *
Moran Township School District 152
Mottville Township School District 3F 130
National Mine School District 345
North Plains Township School District 1F 23
Northport Public School District 345
Nottawa Community Schools 165
Oliver Township School District 2 35
Oneida Township School District 3 . . . . . .00 *
Orange Township School District 1F 21
Orange Township School District 3 36
Orange Township School District 5 . . . . . .00 *
Orleans Township School District 9 17
Orleans Township School District 10 28
Osceola Township School District 359

Palo Community School District 162
Pentwater Public School District 397
Pineview School District 97
Port Austin Public Schools 399
Port Hope Community Schools 219
Portland Township School District 4F 17
Portland Township School District 5F 32
Posen Consolidated School District 458
Powell Township School District 70
Red School 18
Riverdale Elementary School 438
Rock Public School District 317
Rock River Township School 390
Ronald Township School District 8 17
Roxand Township School District 12 17
Rubicon Township School District 4 15
Sands Township School District 20
Sanilac Township School District 1 19
Sebewa Township School District 8 22
Seville Township School District 4F 45
Sheridan Township School District 2F .....00 *
Sheridan Township School District 4 31
Sheridan Township School District 5 20
Sigel Township School District 3 30
Sigel Township School District 4 29
Sigel Township School District 6 37
Sodus Township School District 5 71
South Boardman Area School 103
St. Helen School District 106
St. Ignace Township School District 105
Stanton Township School District 168
Sumner Elementary School 144
Vanderbilt-Area School 329
Verona Township School District 1F 49
Verona Township School District 5 .....00 *
Walkerville Rural Community School District 351
Watersmeet Township School District 196
Weare Crystal Community School District 208
Wells Township School District 40
White Pine School District 498
Whitefish School 88
Wolverine Community School District 274

* "00" signifies a non-operating school district (any district that does not maintain or operate a school within the district, although it still collects revenue and pays tuition for its students).